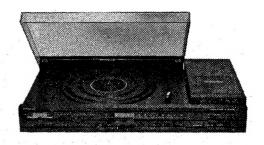
Bang&Olufsen



BEOCENTER 3600 TYPE 2611



INTRODUCTION

The Beocenter 3600 is the most recent addition to the Bang & Olufsen series of combination music systems.

The radio section and record player are identical with the Beocenter 1800 type 2610 whilst the cassette section has several features in common with the Beocord 1100 type 2612.

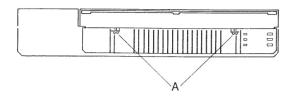
This service manual describes those circuits and individual components which are new in the Beocenter 3600. Otherwise reference is made to the respective section of the Beocenter 1800 and Beocord 1100 service manuals.

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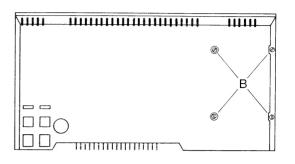
| TECHNICAL DATA | BEOCENTER 3600 |
|--|---|
| TYPE no. | 2611 |
| AMPLIF!ER | |
| Power output at specified | |
| distortion 1000 Hz RMS | 2 x 22 watts/4 ohms |
| | 2 x 19 watts/8 ohms |
| Music power | 2 x 40 watts/4 ohms |
| | 2 x 25 waits/8 ohms |
| Speaker impedance | 4 ohms |
| Harmonic distortion: | |
| 1000 Hz 50 mW DIN 45 500 | < 0.1% |
| DIN 45 500 40 - 12.500 Hz | < 0,3% |
| Intermodulation DIN 45 500 | < 1% |
| Frequency range ± 1,5 dB DiN 45 500 | 20 - 30.000 Hz |
| Power bandwidth 1% distortion | 10 - 35.000 Hz |
| Damping factor 1000 Hz DIN 45 500 | > 12 |
| Pickup low impedance | 2.5 mV / 47 Kohms |
| 2 channel linear | 60 mV/47 Kohms |
| Signal-to-noise ratio DIN 45 500: | |
| 50 mW pickup low impedance | > 50 dB |
| 50 mW high impedance | > 60 dB |
| Channel separation 1000 Hz 45 500 | > 55 dB |
| 250 - 10.000 Hz | > 45 dB |
| Tape | 25 mV / 100 Konms |
| Headphones | 10V/200 ohms |
| Bass control at 40 Hz | ± 17 dB |
| Treble control at 12.500 Hz | ± 14 dB |
| FM tuner | 97.5 100 Mills |
| Range Sensitivity stereo 46 dB | 87.5 - 108 MHz |
| | 30 uV/75 ohms |
| Frequency range ± 1.5 dB DIN 45 500 | 20 - 15.000 Hz ± 1.5 dB |
| Harmonic distortion DIN 45 500 | < 0.6% |
| Stereo channel separation 1000 Hz | > 30 dB |
| Pilot suppression 19 kHz RECORD-PLAYER | > 35 dB |
| Speeds | 22 45 *** |
| Pickup cartridge | 33 - 45 rpm MMC 3000 |
| Stylus | Spherical diamond |
| Radius of curvature | 15 µm |
| Frequency range | 16 - 25.000 Hz |
| Recommended stylus pressure | 1.2 gram |
| Compliance | 25 x 10 ⁻⁶ cm/dyn |
| Effective tipmass | 0.5 mg |
| Automatic pickup movement | Yes |
| Automatic speed selection | Yes |
| Wow and flutter, DIN | < ± 0.12% |
| Wow and flutter, WRMS | < ± 0,06% |
| Rumble DIN unweighted | > 37 dB |
| Rumble DIN weighted | > 60 dB |
| Speed deviation | < 0.1% |
| Speed control range | > 3% |
| Dial for speed | Stroboscope 120 mm |
| Stylus pressure range | 0 - 2.5 gram |
| Antiskating | Yes |
| Motor | Asynchronous |
| Drive system | Idler wheel and belt |
| Turntable | 30 cm 1 kg |
| Dust cover | Hinged and detachable |
| TAPERECORDER | |
| Compact Cassette | C60 - C90 |
| Tape head | Super permalloy |
| Dolby NR | Yes |
| ron oxide tape | Yes |
| Chromoum dioxide tape | Yes |
| ndicator system | Light emitting diodes |
| Stop at end of tape | Yes |
| Now and flutter, DIN | < ± 0.3% |
| | < ±1% |
| | 90 sec. |
| Speed deviation Fast forward and rewind | |
| Fast forward and rewind Frequency range DIN chrom. | 20 - 13.000 Hz |
| ast forward and rewind Frequency range DIN chrom. Signal-to-noise ratio chrom. | 20 - 13.000 Hz > 53 dB |
| Fast forward and rewind Frequency range DIN chrom. | |
| ast forward and rewind Frequency range DIN chrom. Signal-to-noise ratio chrom. | > 53 dB |
| Fast forward and rewind Frequency range DIN chrom. Bignal-to-noise ratio chrom. With microphone with Dolby chrom. Erasure | > 53 dB 75 µV/10 Kohms |
| Fast forward and rewind Frequency range DIN chrom. Signal-to-noise ratio chrom. With microphone with Dolby chrom. | > 53 dB 75 µV/10 Kohms > 61 dB |
| Fast forward and rewind Frequency range DIN chrom. Bignal-to-noise ratio chrom. With microphone with Dolby chrom. Erasure Power supply Frequency | > 53 dB 75 µV/10 Kohms > 61 dB > 74 dB |
| Fast forward and rewind Frequency range DIN chrom. Signal-to-noise ratio chrom. With microphone with Dolby chrom. Erasure Power supply Frequency Power consumption | > 53 dB 75 µV/10 Kohms > 61 dB > 74 dB 110 - 130 - 220 - 240 volts |
| Fast forward and rewind Frequency range DIN chrom. Bignal-to-noise ratio chrom. With microphone with Dolby chrom. Erasure Power supply Frequency | > 53 dB 75 uV/10 Kohms > 61 dB > 74 dB 110 - 130 - 220 - 240 volts 50 Hz |

DISASSEMBLY/ZERLEGUNG

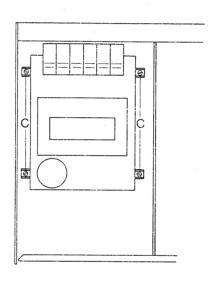
Dismounting of record player Abmontierung von Grammophonwerk



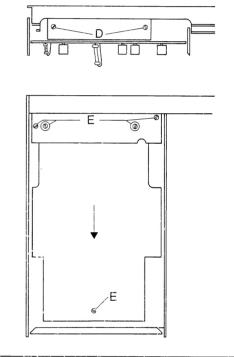
Dismounting of cassette cover Abmontierung von Kassettendeckel



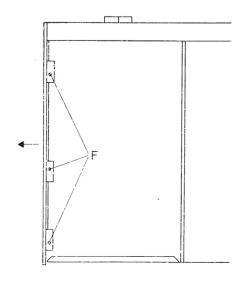
Dismounting of tape deck Abmontierung von Kassettenwerk



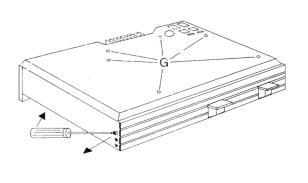
Dismounting of PC for cassette recorder Abmontierung von Printplatte für Kassettengerät



Dismounting of cabinet Abmontierung von Kabinet



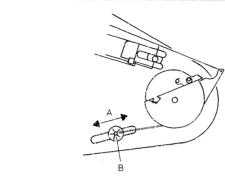
Dismounting of boîtom Abmontierung von Boden



| EL | EC1 | TRICAL | ADJUS | TMENT |
|----|-----|---------------|--------------|-------|
| RE | CE | VER | | |

Is made as described in service manual for Beocenter 1800 page 4-1 and 4-2.

MECHANICAL ADJUSTMENT GRAMMOFONE CHASSIS



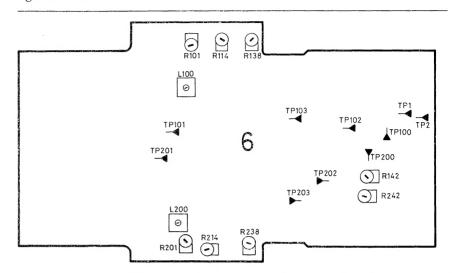
Put test record 3621001 on turntable. Play cut 4. Connect oscilloscope to right and left channels of the pickup leads. Push pin B as indicated by arrow A until the two channels have identical distortion. Other adjustments are performed as described in Beocenter 1800 manual, pages 5-1 to 5-3.

ELECTRICAL ADJUSTMENTS

TAPE RECORDER

Azimuth

Non-bracketed references apply to left channel; bracketed ones apply to right channel.



Demagnetise sound head and erase head.

Connect AF vacuum-tube voltmeter at 6TP100 (6TP200).

Insert azimuth tape 6780036.

Adjust screw A for max. response in both channel and identical output for left and right channels (mean value).

Lock screw A with glue.



19 kHz filter

Connect tone generator at 6TP1 (6TP2). Set generator to deliver 19 kHz 100 $\,$ mV.

Set 6R101 (6R201) to mid-scale.

Connect AF vacuum-tube voltmeter at 6TP102 (6TP202).

Adjust 6L100 (6L200) for min. AF vacuum-tube voltmeter reading.

Playback level

Insert Pegel tape (333 Hz), 6780035.

Adjust 6R101 for 720 mV as measured with AF vacuum-tube voltmeter at 6TP100.

Adjust (6R201) for 720 mV as measured at (6TP200).

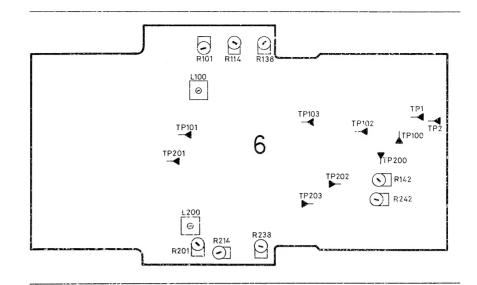
Playback frequency response

Activate CrO₂.

Insert playback frequency tape 6780056 (time constants 70 usec and 3180 usec).

Adjust 6R114 so that 12.5 kHz level is max. 1.5 dB below 250 Hz level as measured with AF vacuum-tube voltmeter at 6TP100 (6R214 at 6TP200).

Indicator and record amplifier

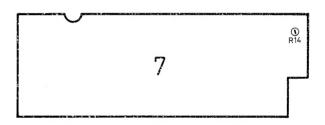


Stop erase generator (short-circuit 6C7).

Set tone generator to deliver 333 Hz 100 mV as measured with AF vacuum-tube voltmeter at 6TP1.

Connect AF vacuum-tube voltmeter at 6TP103.

Set record potentiometer so that 3V is measured at 6TP103.



Adjust 7R14 so that first red LED lights.

Back off tone generator 20 dB.

Read and note voltage at 6TP103.

Set tone genrator to deliver 12.5 kHz.

Adjust 6R138 so that 12.5 kHz level at 6TP103 is 14 dB higher than 333 Hz level.

Set tone generator to deliver 333 Hz 100 mV as measured with AF vacuum-tube voltmeter at (6TP2).

Connect AF vacuum-tube voltmeter at (6TP203).

Set record potentiometer so that 3V is measured at (6TP203).

Back off tone generator 20 dB.

Read and note voltage at (6TP203).

Set tone generator to deliver 12.5 kHz.

Adjust (6R238) so that 12.5 kHz level at (6TP203) is 14 dB higher than 333 Hz level.

Remove short-circuit from across 6C7.

Bias

Set tone generator to deliver 333 Hz 100 mV as measured with AF vacuum-tube voltmeter at 6TP1 (6TP2).

Connect AF vacuum-tube voltmeter at 6TP100 (6TP200).

Insert standard tape 6780040.

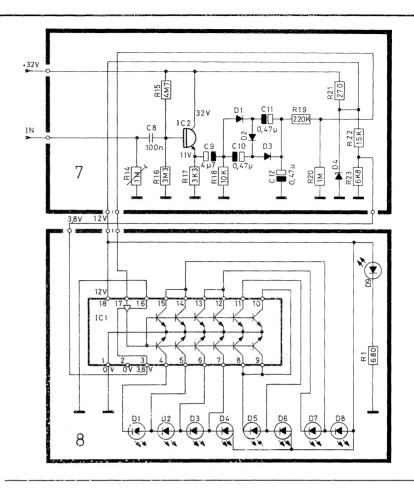
Adjust record potentiometer so that first red LED only just lights.

Back off tone generator 20 dB.

Record and play back 333 Hz and 12.5 kHz. Adjust 6R142 (6R242) so that 12.5 kHz level is 2.5 dB below 333 Hz level.

ELECTRICAL DESCRIPTION

CASSETTE RECORDER Indicator



The recording level in Beocenter 3600 is indicated by means of light diodes (LED).

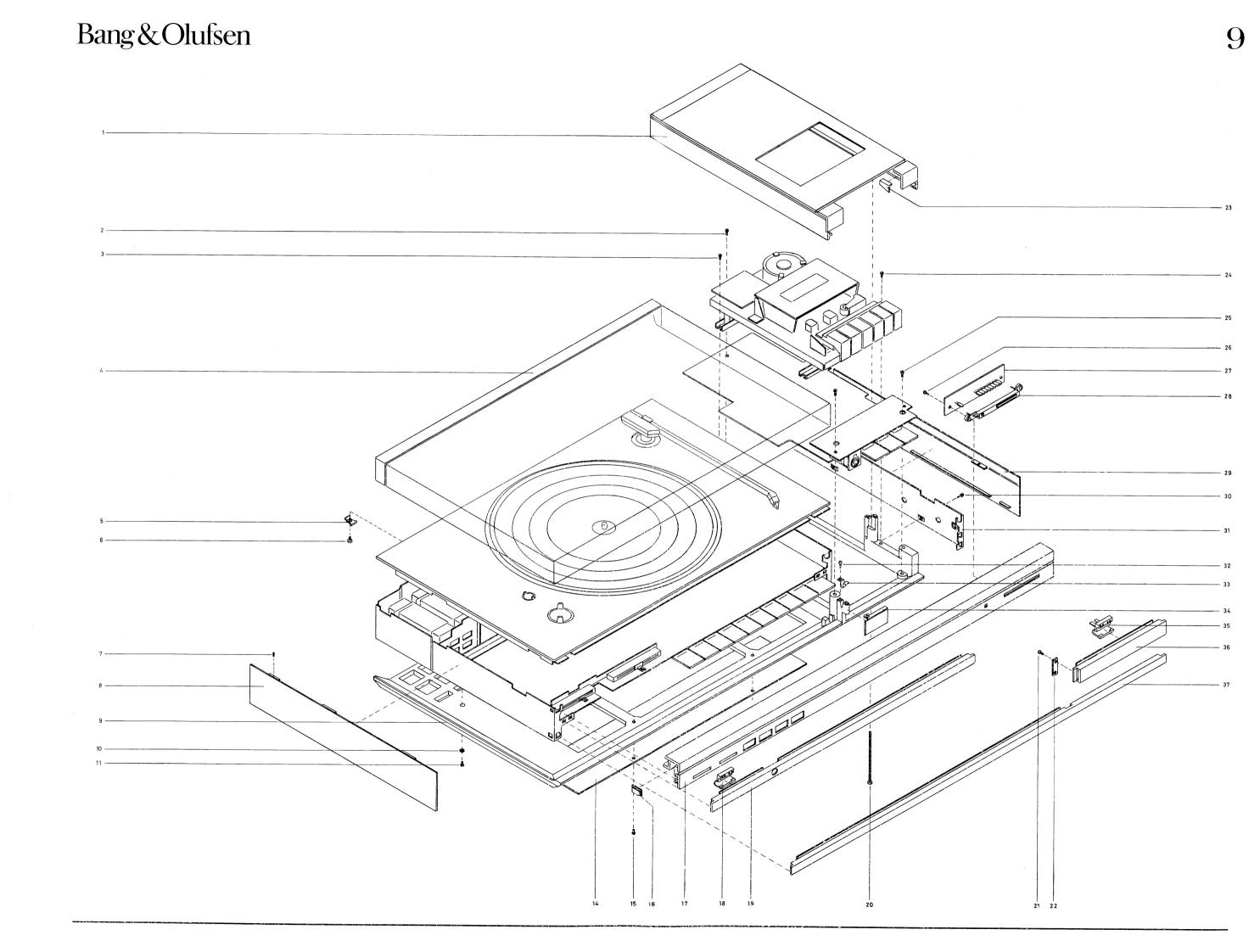
The LF signal on the output of the recording amplifier is led to basis of 7IC2 which is coupled as emitter follower. The signal is led to the voltage tripler 7D1, 7D2, 7D3, 7C10, and 7C11. 7C12 is charged to a varying DC voltage, the value of which is directly dependent on the amplitude of the LF signal, and is led to a DC amplifier in 8IC1, pin 17. A reference voltage 3.8 Volts on pin 3 determines the range of variation of the indicator.

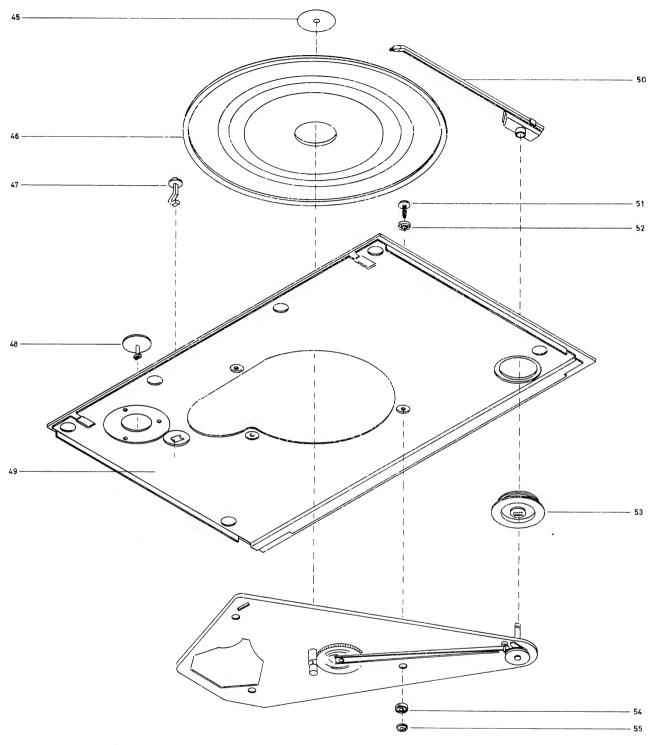
The output of the DC amplifier is led to basis on a number of switch transistors so that the outputs on 8IC1 are short-circuited to chassis at increasing voltage in the order pin 15, 14, 13, etc. I.e., 8D8 is the first green LED to switch on.

To have the same dial diviasion on the LED indicator as on a VU meter instrument each of 8D5 - 8D8 is connected to two outputs on 8IC1. 8D1 and 8D2 indicate overload. 8IC1 is provided with a constant-current generator so that a short-circuited LED will not damage the IC.

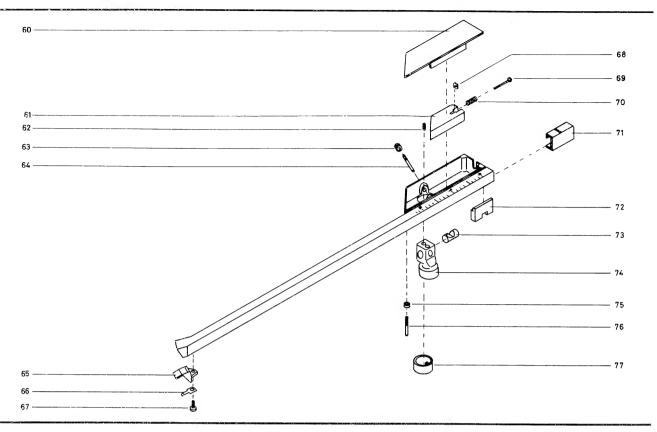
Other circuits of the cassette recorder unit are described in the service manual for Beocord 1100 page 6.

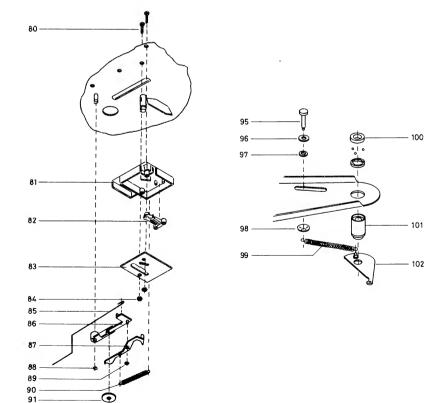
| ECHA | NICA | AL PARTS LIST | | At the stage of | | | | |
|----------------------|--|---|---|---|--|--|---|---|
| 2560 2038 2038 | 0050 3247 3247 4290 4291 0053 0007 0133 0034 2244 0701 | Top moulding Decorative list Screw AM 3×6 DIN 84 Screw AM 3×6 DIN 84 Dust cover, complete Dust cover, loose Decorative list Stop for cover Spring for cover Clamp Screw AM 4×6 DIN 84, black Threaded pin M 3×4 Cabinet teak Cabinet rosewood | 9 10 11 14 15 16 17 18 19 20 22 23 24 25 | 3302273 2038247 3300057 2568316 3015071 | Washer Screw AM 3×8 DIN 84 Cover plate Screw AM 3×6 DIN 84 Screw Front moulding Slide for button Front moulding Screw AM 4×75 DIN 84 Clamp | 26 27 28 29 30 31 32 33 34 35 36 37 | 8004160 3322045 3412331 3412333 2015006 2548128 2015006 2816140 3164251 3015074 2568331 | Cover Cabinet, teak Cabinet, rosewood Screw 9,5×3,5 DIN 7981 Bracket Screw 9,5×3,5 DIN 7981 Spring Cover |
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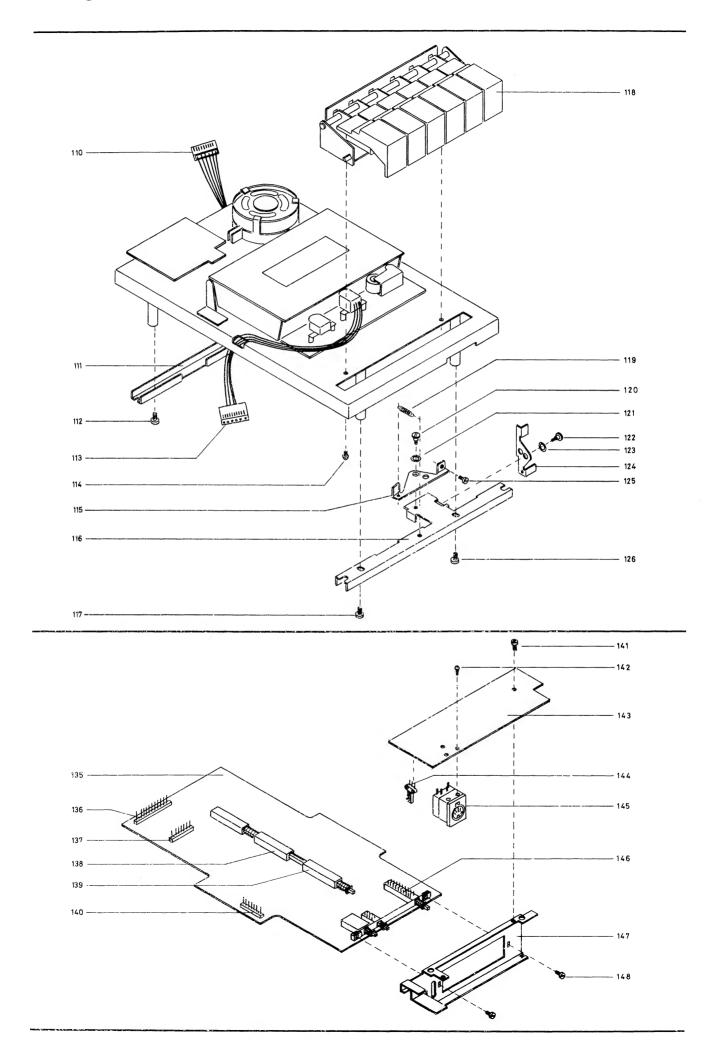
| 45 | 2805022 | Washer | 65 | 7200037 | Socket with leads | 87 | 2853043 | Switch arm |
|----|---------|------------------------------------|----|---------|-----------------------------|-----|---------|---------------------|
| 46 | 2726108 | Turntable | 66 | 2816143 | Frame spring | 88 | 2390002 | Locking disc 3,2 |
| 47 | 2770184 | Button, speed adjustment | 67 | 2033007 | Screw | 89 | 2390001 | Locking disc 2,3 |
| 48 | 2775518 | Lift button | 68 | 2380068 | Nut | 90 | 2819122 | Spring |
| 49 | 3458189 | Top plate | 69 | 2034913 | Screw | 91 | 2622246 | Washer |
| 50 | 2850090 | Pickup arm | 70 | 2812072 | Spring | 95 | 2992073 | Pin |
| | 8954390 | Pickup unit MMC 3000 | 71 | 3190064 | Pointer | 96 | 2622013 | Washer |
| 51 | 2046204 | Screw, transport protection device | 72 | 3342033 | Counterweight | 97 | 2620067 | Washer |
| 52 | 2938110 | Washer for transport | 73 | 3151137 | Holder for shaft | 98 | 2395030 | Lock disc. |
| | | protection device | 74 | 3152201 | Holder for arm | 99 | 2810089 | Spring |
| 52 | 2938110 | Wascher for transport | 75 | 2938096 | Bushing | 100 | 3152224 | Washer |
| | | protection device | 76 | 2072924 | Adjustment screw | 101 | 2938135 | Pile bearing |
| 53 | 2623032 | Lifting ring | 77 | 2938126 | Bushing | | 2938136 | Pick-up arm bearing |
| 54 | 2938100 | Bushing, lock | 80 | 2038222 | Screw AM 3×14 DIN 84 | | | Complete |
| 55 | 2622228 | Washer | 81 | 3131121 | Switch housing | 102 | 2851095 | Arm |
| 60 | 3162121 | Cover | 82 | 7402081 | Micro switch | | | |
| 61 | 3342034 | Counterweight | 83 | 3162095 | Cover | | | |
| 62 | 2070400 | Threaded pin | 84 | 2380011 | Nut M3 | | | |
| 63 | 2905071 | Pivot bearing | 85 | 2570056 | Arm | | | |
| 64 | 2834060 | Shaft | 86 | 2853042 | Arm | | | |
| | | | | | | | | |





| 110 | 7210129 | Socket | | |
|-----------------|----------|------------------------------|--|--|
| 111 | 2548126 | Bracket | | |
| 112 | 2042205 | Screw AM 4×6 DIN 84 | | |
| 113 | 7210129 | Socket | | |
| 114 | 2036008 | Screw AM 2,6 \times 5 | | |
| 115 | 2542429 | Bracket | | |
| 116 | 2548129 | Bracket | | |
| 117 | 2042205 | Screw AM 4×6 DIN 84 | | |
| 118 | 7410014 | Pushbutton unit with | | |
| | | buttons | | |
| | 2775519 | Button ≪ | | |
| | 2775520 | Button ≫ | | |
| | 2775521 | Button > | | |
| | 2775522 | Button — Eject/Stop | | |
| | 2775523 | Button — Pause | | |
| | 2568351 | Button — Record | | |
| 119 | 2810085 | Spring | | |
| 120 | 2038066 | Screw | | |
| 121 | 2622265 | Washer | | |
| 122 | 2038066 | Screw | | |
| 123 | 2622265 | Washer | | |
| 124 | 2542456 | Bracket | | |
| 125 | 2038247 | AM 3×6 DIN 84 | | |
| 126 | 2042205 | Screw AM 4×6 DIN 84 | | |
| 135 | 8004152 | PC unit | | |
| 136 | 7220117 | Plug | | |
| 137 | 7220116 | Plug | | |
| 138 | 7400130 | Switch without spring | | |
| 139 | 7400131 | Switch with spring | | |
| 140 | 7220116 | Plug | | |
| 141 | 2038206 | Screw AM 3×4 DIN 84 | | |
| 142 | 2013906 | Screw 2,84×6,35 ART 4271 | | |
| 143 | 8004151 | PC unit | | |
| 144 | 7400152 | Switch | | |
| 145 | 7210127 | Socket | | |
| 146 | 7400141 | Switch complete | | |
| 147 | 2542424 | Bracket | | |
| 148 | 2038247 | Screw AM 3×6 DIN 84 | | |
| | | | | |
| PARTS NOT SHOWN | | | | |
| | 2201.400 | 0.4 | | |

| 3391480 | Outer carton |
|---------|---------------------|
| 3397274 | Foam packing, lid |
| 3397275 | Foam packing, lid |
| 3397276 | Insertion |
| 3532119 | Instruction diagram |
| | |



Bang & Olufsen

CONDITIONS OF MEASUREMENT FOR DIAGRAM 1 AND 2

All DC voltages are measured in proportion to chassis with voltmeter (inner resistance 11 MOhms).

DC voltages are measured with the receiver in position FM and an aerial

Signal of 500 µV (1 mV EMK) with pilot signal, volume on 0.

FM sensitivities are measured at $\Delta f 40$ kHz, f mod. 1 kHz and 10W output. AF sensitivities are measured at 22W output. Balance, bass, treble on 0,

volume on max.

Output loaded with 4 Ohms, input 1 kHz.

Mechanical switches are shown in neutral position.

FM SENSITIVITIES

| 2TP1 | 60 µV (10.7 MHz) through 0.1 µF, RG 75 Ohms. |
|------|---|
| 2TP2 | 170 uV (10.7 MHz) through 0.1 uF, RG 75 Ohms. |
| 2TP3 | 600 µV (10.7 MHz) through 0.1 µF, RG 75 Ohms. |

AF SENSITIVITIES

| 4TP100 | $2.5 \mathrm{mV}$ |
|--------|-------------------|
| 4TP200 | $2.5 \mathrm{mV}$ |
| 2TP100 | 135 mV |
| 2TP200 | 135 mV |
| 2TP101 | 150 mV |
| 2TP201 | 150 mV |
| 5TP100 | 500 mV |
| 5TP200 | 500 mV |
| | |

NO-SIGNAL CURRENT

| 5TP101 | 10 mV |
|--------|-----------|
| 5TP201 | 10 mV er: |

25 mA in the collector of 5IC101, 5IC201

MESSBEDINGUNGEN FÜR SCHALTBILD 1 UND 2

Alle DC Spannungen sind in Verhältnis zu Chassis mit Voltmeter (innerer Widerstand 11 MOhm) gemessen.

DC Spannungen sind mit dem Empfänger in Stellung FM und dem Antennensignal von 500 uF (1 mV EMK) mit Pilotton gemessen, Volume auf 0. UKW Empfindlichkeiten sind an Δ f 40 kHz, f mod. 1 kHz und 10W Ausgang gemessen.

NF Empfindlichkeiten sind an 22W Ausgang gemessen. Balance, Tiefton, Diskant auf 0, Volume auf max. Ausgang mit 4 Ohm, Eingang 1 kHz belastet.

Mechanische Umschalter sind in neutraler Stellung gezeigt.

UKW EMPFINDLICHKEITEN

| 2TP1 | 60 µV (10,7 MHz) durch 0,1 µF, RG 75 Ohm. |
|------|--|
| 2TP2 | 170 µV (10,7 MHz) durch 0,1 µF, RG 75 Ohm. |
| 2TP3 | 600 µV (10,7 MHz) durch 0,1 µF, RG 75 Ohm. |

NF EMPFINDLICHKEITEN

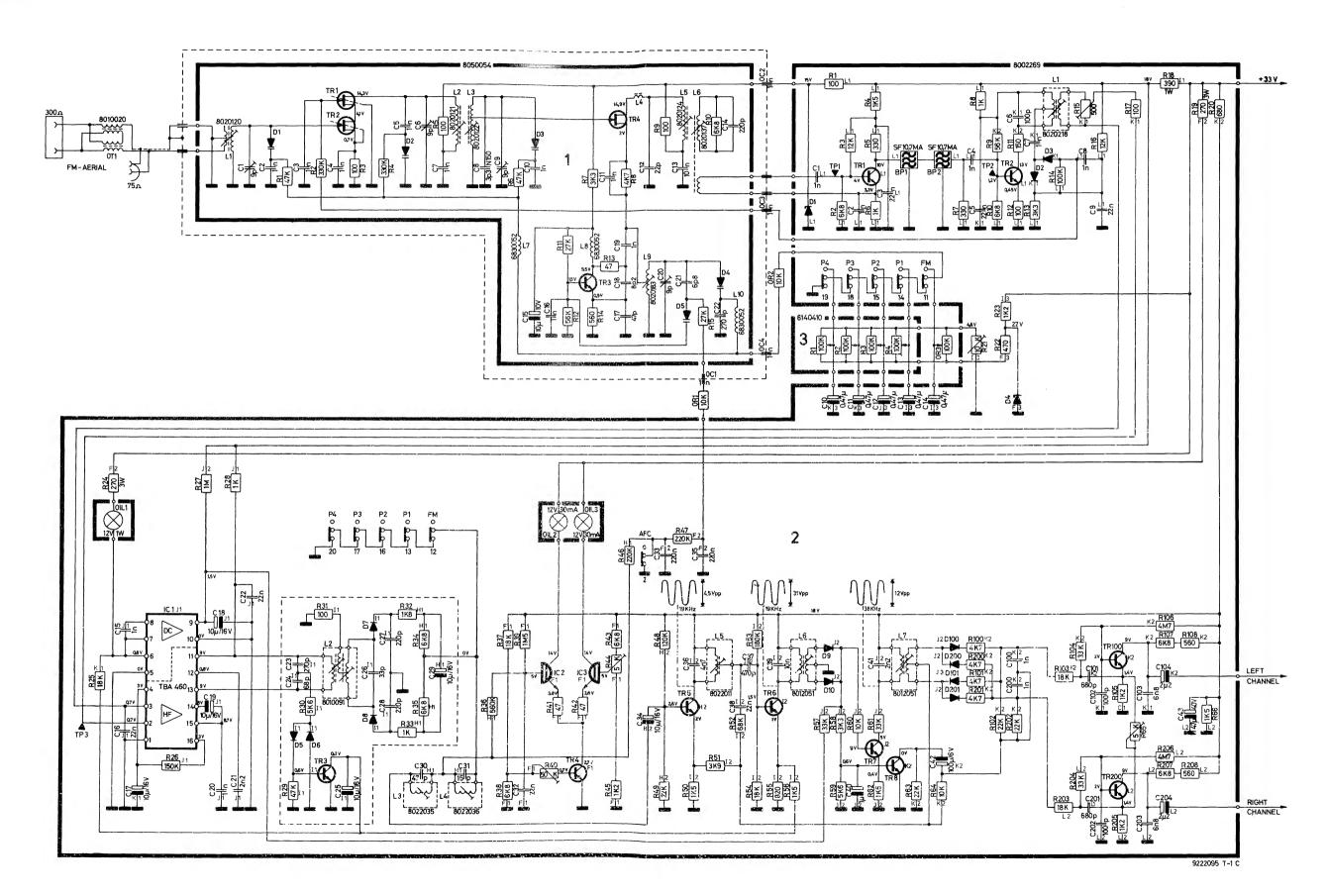
| TP100 | 2,5 mV |
|--------|--------|
| TP200 | 2,5 mV |
| 2TP100 | 135 mV |
| 2TP200 | 135 mV |
| 2TP101 | 150 mV |
| 2TP201 | 150 mV |
| 5TP100 | 500 mV |
| 5TP200 | 500 mV |

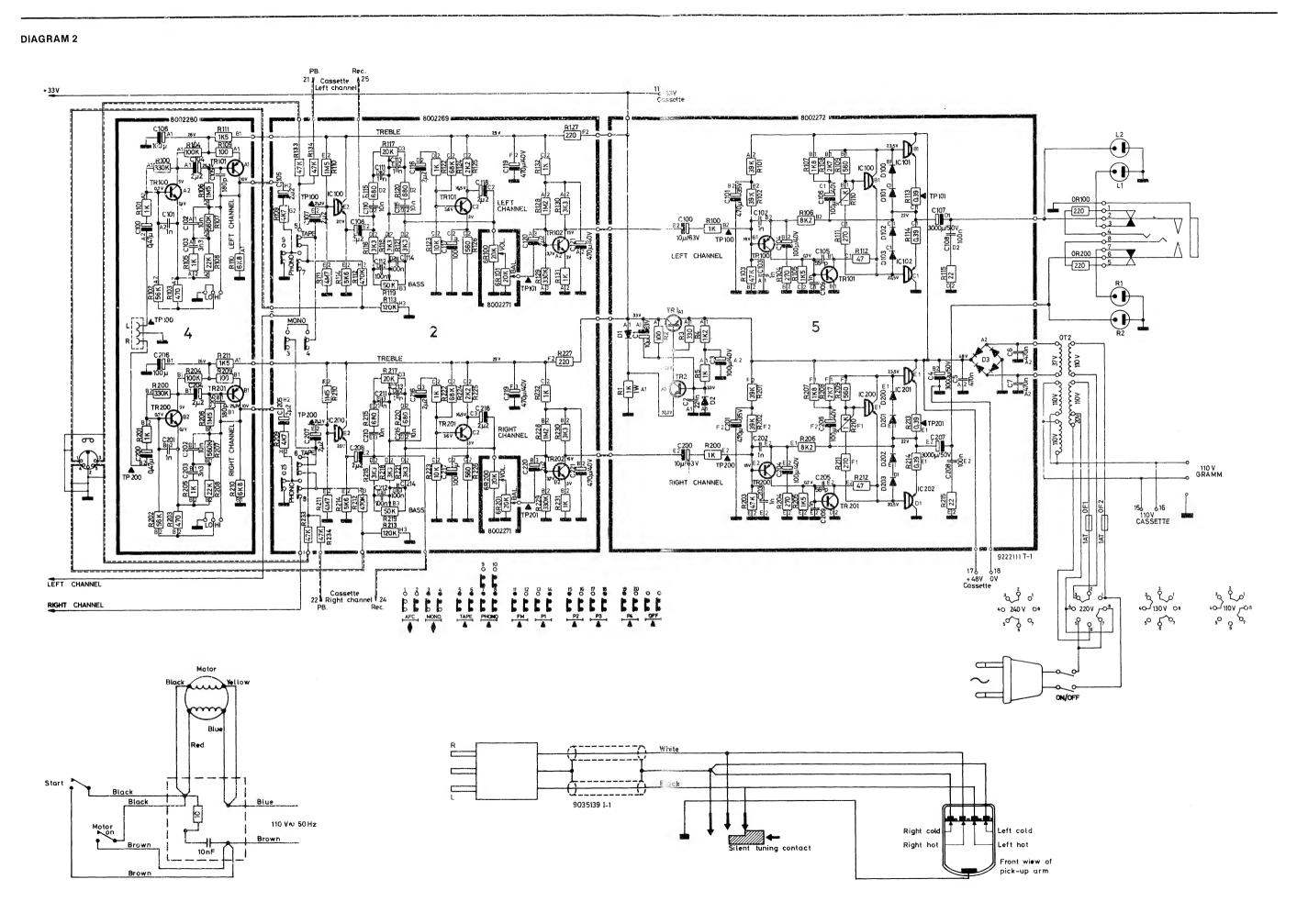
LEERLAUFSTROM

| 5TP101 | 10 m V |
|--------|-------------|
| 5TP201 | 10 mV oder: |

25 mA im Kollektor von 5IC101, 5IC201.

DIAGRAM 1





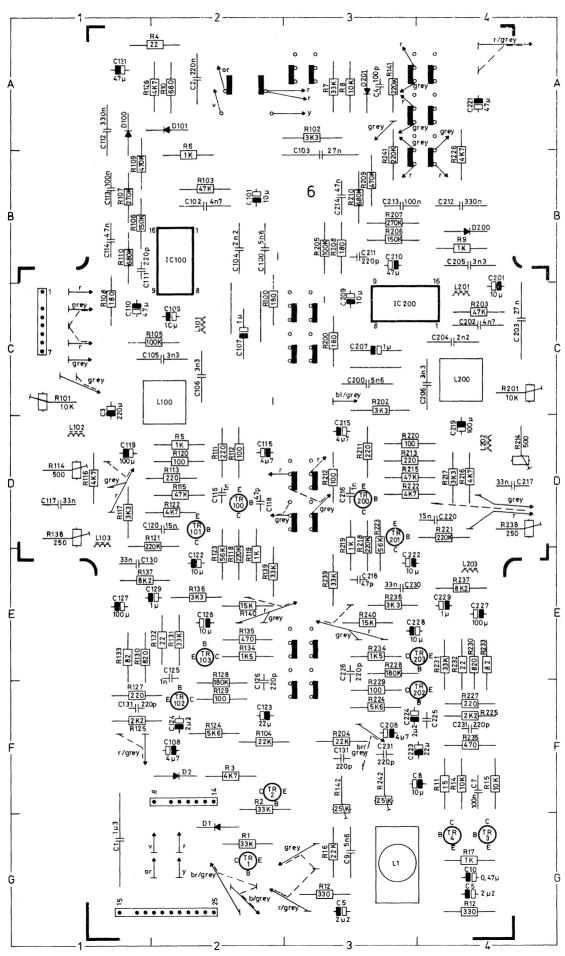
Bang&Olufsen

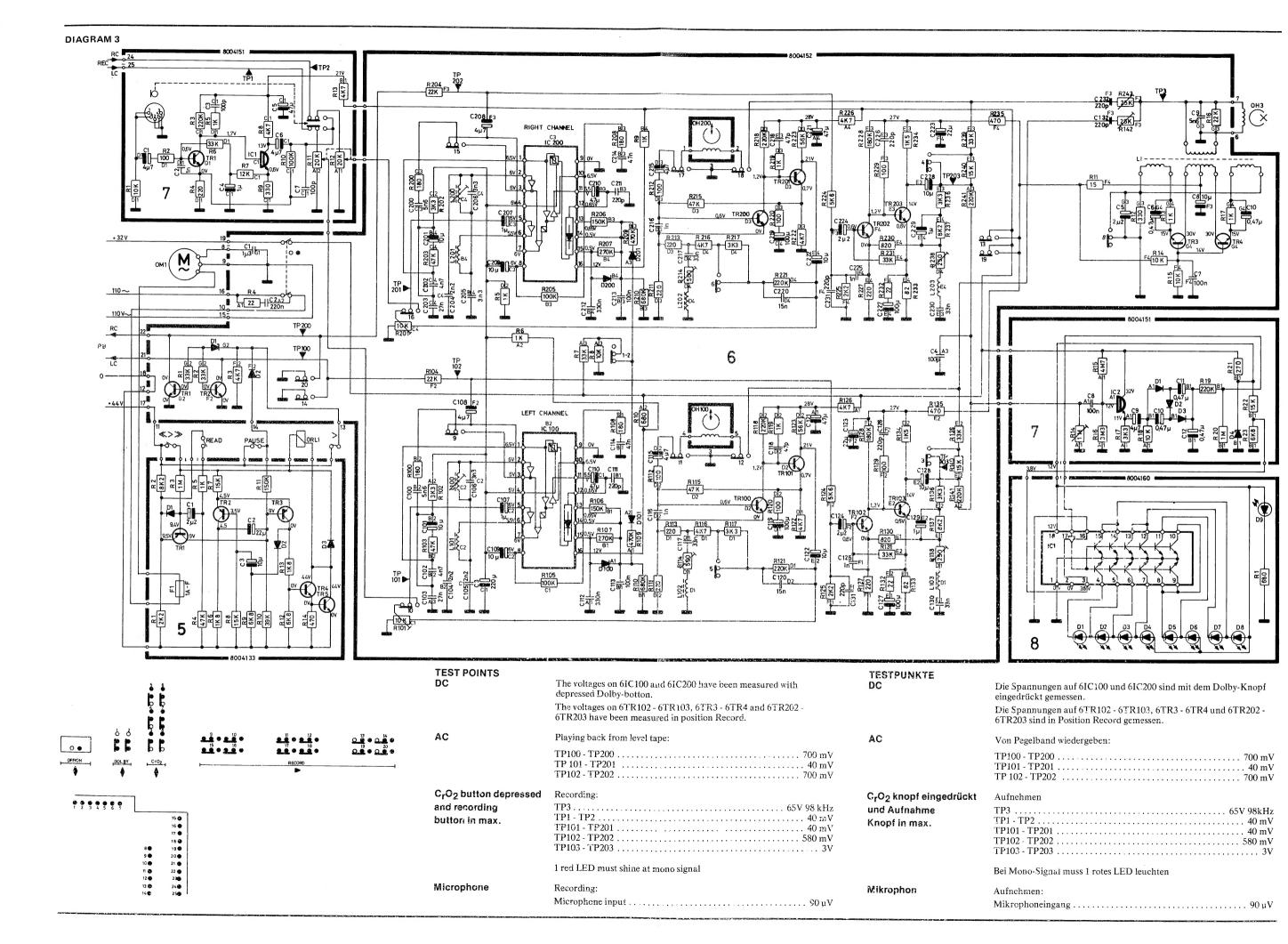
| 1TR1 | 8320119 | 8320069 20 | BC 559 B | 8320112 42 | BF 495 |
|--------------|---------|--------------------|-----------|-------------------|----------|
| 1TR2 | 8320119 | 20 | BC 214 B | 42 | BF 255 |
| 1TR3 | 8320112 | 18 | BC 309 B | | |
| 1TR4 | 8320136 | 18 | BC 253 B | 8320119 4 | U1981 E |
| 2TR1 | 8320089 | | | 21 | 2N 5245 |
| 2TR2 | 8320089 | 8320089 42 | BF 494 | 21 | TIS 88 A |
| 2TR3 | 8320097 | 42 | BF 254 | | |
| 2TR4 | 8320097 | | | 8320136 4 | U 1981 E |
| 2TR5 | 8320095 | *8320095 20 | BC 549B | 5 | U 1837 E |
| 2TR6-TR8 | 8320097 | 20 | BC 184 BN | 21 | 2N 5245 |
| 2TR100-TR200 | 8320138 | | | 21 | 3C2 |
| 2TR101-TR201 | 8320095 | 8320097 20 | BC 547 B | 22 | 3C2 P |
| 2TR102-TR202 | 8320097 | 18 | BC 237 B | 21 | TIS 88 A |
| 4TR100-TR200 | 8320095 | 20 | BC 171 B | | |
| 4TR101-TR201 | 8320069 | 19 | BC 317 B | 8320138 20 | BC 183 B |
| 5TR1 | 8320269 | 20 | BC 182 B | | |
| 5TR2 | 8320295 | 1 | BC 207 B | | |
| 5TR100-TR200 | 8320069 | 20 | BC 237 B | | |
| 5TR101-TR201 | 8320097 | | | | |

| 1 | 4 | 5 | 18 | 19 | 20 | 21 | 22 | 34 | 42 | 101 |
|-------|----------|----------|-------|-------|-----|---|-----|---------------------|-----|------|
| B • E | D • S | S • D | E B C | C B G | E B | D • • • • • • • • • • • • • • • • • • • | D S | een w /// BCE | B E | 16 9 |

| 2IC1 | 8340014 | 101 | TBA 460 | 2IC200 | 8340028 | 19 | MPSA 13 | 5IC102 | 8340023 | 34 | BD 698 |
|------------|---------|-------|------------|--------|---------|----|----------|-----------|---------|----|----------------|
| | | | | | | 19 | SPS 5418 | | | | |
| 2IC2 | 8340054 | 19 | MPSA 13 | | | | | 5IC200 | 8340028 | 19 | MPSA 13 |
| | | | | 5!C100 | 8340028 | 19 | MPSA 13 | | | 19 | SPS 5418 |
| 2IC3 | 8340054 | 19 | MPSA 13 | | | 19 | SPS 5418 | | | | |
| | | | | | | | | 51C201 | 8340027 | 34 | BD 697 |
| 2IC100 | 8340028 | 19 | MPSA 13 | 5IC101 | 8340027 | 34 | BD 697 | | | | |
| | | 19 | SPS 5418 | | | | | 5IC202 | 8340023 | 34 | BD 69 8 |
| 1D1 | 8300050 | BB 1 | 03 blue | | | | | | | | |
| 1D2 | 8300041 | BB 1 | 03 green | | | | | | | | |
| 1D3 | 8300041 | | 03 green | | | | | | | | |
| 1D4 | 8300050 | | 03 blue | | | | | | | | |
| 1D5 | 8300032 | BA 1 | 38 | | | | | | | | |
| 2D1 | 8300053 | ZPD | 15V | | | | | | | | |
| | | BZX | 79 15V | | | | | | | | |
| 2D2 | 8300131 | 1N 4 | 148 | | | | | | | | |
| 2D3 | 8300131 | 1N 4 | 148 | | | | | | | | |
| 2D4 · | 8340081 | 25,7 | -28,3V | | | | | | | | |
| 2D5-D10 | 8300024 | AA 1 | 19 | | | | | | | | |
| 2D100-D201 | 8300131 | 1N 4 | 148 | | | | | | | | |
| 5D1 | 8300023 | EM 5 | 502 | | | | | | | | , |
| | | 1N 4 | 002 | | | | | | | | |
| - | | 1N 4 | 003 | | | | | | | | |
| 5D2 | 8300199 | 33V - | 1 W | | | | | A.N. 810- | | | |
| 5D3 | 8310020 | B800 | 03200/2200 | | | | | | | | |
| 5D100-D203 | 8300131 | 1N 4 | 148 | | | | | | | | |

8004152 PC6



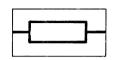


18

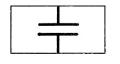
Bang & Olufsen

ELECTRIC PARTSLIST

8004152 PC 6

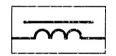


| R1 | 5010075 | 33 KOhms 5% 1/8W |
|-----------|---------|------------------------|
| R2 | 5010075 | 33 KOhms 5% 1/8W |
| R3 | 5010073 | 4k7 Ohms 5% 1/8W |
| | | |
| R4 | 5001004 | 22 Ohms 10% 1/2W |
| R5 | 5001028 | 1 KOhms 5% 1/2W |
| R6 | 5001028 | 1 KOhms 5% 1/2W |
| R7 | 5001048 | 33 KOhms 10% 1/2W |
| R8 | 5001042 | 10 KOhms 10% 1/2W |
| R9 | 5001028 | 1 KOhms 5% 1/2W |
| R10 | 5001026 | 680 Ohms 10% 1/2W |
| R11 | 5001020 | 15 Ohms 10% 1/2W |
| | | |
| R12 | 5001021 | 330 Ohms 10% 1/2W |
| R13 | 5010040 | 1 KOhms 5% 1/8W |
| R14 | 5010059 | 10 KOhms 5% 1/8W |
| R15 | 5010059 | 10 KOhms 5% 1/8W |
| R16 | 5010079 | 22 KOhms 5% 1/8W |
| R17 | 5010040 | 1 KOhms 5% 1/8W |
| R100-200 | 5010362 | 180 Ohms 5% 1/8W |
| R101-201 | 5370152 | 10 KOhms 20% 0,1W |
| | | |
| R102-202 | 5010265 | 3k3 Ohms 2% 1/4W |
| R103-203 | 5010045 | 47 KOhms 5% 1/8W |
| R104-204 | 5010079 | 22 KOhms 5% 1/8W |
| R105-205 | 5010049 | 100 KOhms 5% 1/8W |
| R106-206 | 5010063 | 150 KOhms 5 % 1/8W |
| R107-207 | 5010083 | 270 KOhms 5% 1/8W |
| R108-208 | 5010362 | 180 Ohms 5% 1/8W |
| R109-209 | 5010077 | 470 KOhms 5% 1/8W |
| R110-210 | 5010074 | 680 KOhms 5% 1/8W |
| R111-211 | 5010092 | 220 OHms 5% 1/8W |
| R112-212 | 5010065 | 100 Ohms 5% 1/8W |
| R113-213 | 5010003 | 220 Ohms 5% 1/8W |
| R114-214 | 5370150 | 500 Ohms 20% 0.1W |
| | 5010045 | |
| R115-215 | | 47 KOhms 5% 1/8W |
| R116-216 | 5010048 | 4k7 Ohms 5% 1/8W |
| R117-217 | 5010076 | 3k3 Ohms 5% 1/8W |
| R118-218 | 5010120 | 220 KOhms 5% 1/8W |
| R119-219 | 5010040 | 1 KOhms 5% 1/8W |
| R120-220 | 5010065 | 100 Ohms 5% 1/8W |
| R121-221 | 5010120 | 220 KOhms 5% 1/8W |
| R122-222 | 5010048 | 4k7 Ohms 5% 1/8W |
| R123-223 | 5010061 | 56 KOhms 5% 1/8W |
| R124-224 | 5010041 | 5k6 Ohms 5% 1/8W |
| R125-225 | 5010064 | 2k2 Ohms 5% 1/8W |
| R126-226 | 5001038 | 4k7 Ohms 10% 1/2W |
| R127-227 | 5010092 | 220 Ohms 5% 1/8W |
| R128-228 | 5010072 | 180 KOhms 5% 1/8W |
| R120-220 | | |
| | 5010065 | 100 Ohms 5% 1/8W |
| R130-230 | 5010068 | 820 Ohms 5% 1/8W |
| R131-231 | 5010075 | 33 KOhms 5% 1/8W |
| R132-232 | 5010448 | 22 Ohms 5% 1/8W |
| R133-233 | 5010056 | 82 Ohms 5% 1/8W |
| R134-234 | 5010247 | 1k5 Ohms 5% 1/8W |
| R135-235 | 5001024 | 470 Ohms 10% 1/2W |
| R136-236 | 5010076 | 3k3 Ohms 5% 1/8W |
| R137-237 | 5010154 | 8k2 Ohms 5% 1/8W |
| R138-238 | 5370059 | 250 Ohms 20% 0,1W |
| R139-239 | 5010075 | 33 KOhms 5% 1/8W |
| R140-240 | 5010073 | 15 KOhms 5% 1/8W |
| R141-241 | 5010033 | 220 KOhms 5% 1/8W |
| R142-242 | 5370153 | 25 KOhms 20% 0,1W |
| 11174-474 | 55/0155 | 25 KOIIIIS 20 /0 0,1 W |



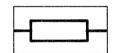
| C1 | 4130099 | 1µ3 10% 170V |
|----|---------|------------------|
| C2 | 4130082 | 220n 20% 250V |
| C4 | 4000069 | 100p 5% 63V |
| C5 | 4201069 | 2µ2 35V TANT. |
| C6 | 4201058 | 0,47 µ 35V TANT. |
| C7 | 4130103 | 100n 20% 250V |
| C8 | 4201065 | 10µ 63V |
| | | |

| C9 | 4100049 | 5n6 1% 63V |
|----------|---------|-----------------|
| C10 | 4201058 | 0,47 u 35V TANT |
| C100-200 | 4100049 | 5n6 1% 63V |
| C101-201 | 4201065 | 10 u 63V |
| C102-202 | 4100031 | 4n7 1% 63V |
| C103-203 | 4100048 | 27n 1% 63V |
| C104-204 | 4100029 | 2n2 5% 63V |
| C105-205 | 4100029 | 2n2 5% 63V |
| C106-206 | 4100033 | 3n3 5% 63V |
| C107-207 | 4200333 | 1 µ 63V |
| C108-208 | 4201061 | 4µ7 63V |
| C109-209 | 4201065 | 10 µ 63V |
| C110-210 | 4201074 | 47 µ 40V |
| C111-211 | 4010021 | 220p 10% 100V |
| C112-212 | 4130102 | 330n 20% 250V |
| C113-213 | 4130103 | 100n 20% 250V |
| C114-214 | 4130087 | 47n 10% 250V |
| C115-215 | 4201061 | 4µ7 63V |
| C116-216 | 4010027 | 1n 10% 100V |
| C117-217 | 4130088 | 33n 10% 250V |
| C118-218 | 4000057 | 47p 5% 63V |
| C119-219 | 4200098 | 100 µ 10V |
| C120-220 | 4130097 | 15n 10% 250V |
| C121-221 | 4201074 | 47 u 40V |
| C122-222 | 4201065 | 10 u 63V |
| C123-223 | 4200100 | 22 µ 40V |
| C124-224 | 4201069 | 2µ2 35V TANT. |
| C125-225 | 4010027 | 1n 10% 100V |
| C126-226 | 4010021 | 220p 10% 100V |
| C127-227 | 4200098 | 100 µ 10V |
| C128-228 | 4201065 | 10 µ 63V |
| C129-229 | 4200325 | 1 µ 35V TANT. |
| C130-230 | 4130088 | 33n 10% 250V |
| C131-231 | 4010021 | 220p 10% 100V |
| C132-232 | 4010021 | 220 p 10% 100V |
| | | |



| L.1 | 8020267 |
|----------|---------|
| L100-200 | 8022067 |
| L101-201 | 8022068 |
| L102-202 | 8022043 |
| L103-203 | 8022043 |

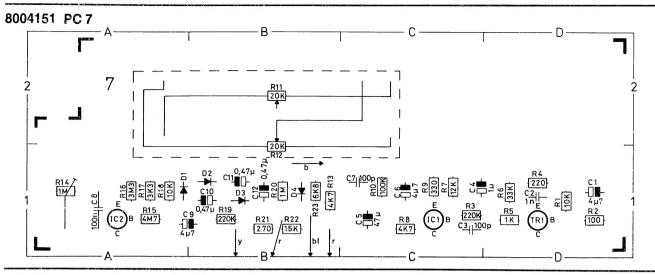
8004151 PC7

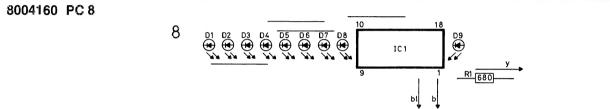


| R1 | 5010059 | 10 KOhms 5% 1/8W |
|------------|---------|-------------------|
| R2 | 5010065 | 100 Ohms 5% 1/8W |
| R3 | 5010120 | 220 KOhms 5% 1/8W |
| R4 | 5010092 | 220 Ohms 5% 1/8W |
| R5 | 5010040 | 1 KOhms 5% 1/8W |
| R6 | 5010075 | 33 KOhms 5% 1/8W |
| R 7 | 5010046 | 12 KOhms 5% 1/8W |
| R8 | 5010048 | 4k7 Ohms 5% 1/8W |
| R9 | 5010044 | 330 Ohms 5% 1/8W |
| R10 | 5010049 | 100 KOhms 5% 1/8W |
| R11/12 | 5310069 | 20 KOhms |
| R13 | 5001038 | 4k7 Ohms 10% 1/2W |
| R14 | 5370049 | 1 MOhms 20% 0,1W |
| R15 | 5011078 | 4M7 Ohms 10% 1/4V |
| R16 | 5010381 | 3M3 Ohms 10% 1/4V |
| R17 | 5010076 | 3k3 Ohms 5% 1/8W |
| R18 | 5010059 | 10 KOhms 5% 1/8W |
| R19 | 5010120 | 220 KOhms 5% 1/8W |
| R20 | 5010054 | 1 MOhms 5% 1/8W |
| R21 | 5100084 | 270 Ohms 10% 2W |
| R22 | 5010053 | 15 KOhms 5% 1/8W |
| R23 | 5010052 | 6k8 Ohms 5% 1/8W |
| | | |

4201061 4µ7 63V 4010027 1n 10% 100V

| C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 | 4000069 100p 5% 63V 4200298 1 μ 63V 4201074 47 μ 40V 4201061 4μ7 63V 4000069 100p 5% 63V 4130103 100n 20% 250V 4201061 4μ7 63V 4201058 0,47 μ 35V TANT. 4201058 0,47 μ 35V TANT. 4201058 0,47 μ 35V TANT. |
|---|--|
| 80041 | 60 PC8 |
| R1 | 5001026 680 Ohms 10% 1/2W |
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| 5TR1-TR3 | 8320104 | *8320095 2 | 0 BC 549 B | 8320104 20 | BC 558 B |
|--------------|---------|-------------------|-------------|-------------------|-----------|
| 5TR4 | 8320097 | 2 | 0 BC 184 BN | 20 | BC 212 B |
| 5TR5 | 8320292 | | | 20 | BC 252 B |
| 6TR1-TR2 | 8320097 | 8320097 2 | 0 BC 547 B | 18 | BC 308 B |
| 6TR3-TR4 | 8320137 | 1 | 8 BC 237 B | 8320137 20 | BC 182 B |
| 6TR100-TR200 | 8320344 | 2 | 0 BC171 B | | |
| 6TR101-TR201 | 8320095 | 1 | 9 BC 317 B | 8320292 32 | BD 137 |
| 6TR102-TR202 | 8320095 | 2 | 0 BC 182 B | | |
| 6TR103-TR203 | 8320097 | | 1 BC 207 B | *8320344 20 | BC 550 B |
| 7TR1 | 8320344 | 2 | 0 BC 237 B | 20 | BC 348 BN |

| 1 | 18 | 19 | 20 | 32 | 101 | 206 |
|-------|-------|-------|-----|---|------|-----|
| B • E | E B C | C B E | E B | PANEL MARIE PANEL | 16 9 | C A |

| 5D1 8300131 1 N 4148 6IC100 8340046 101 NE 545 B 5D2 8300131 1 N 4148 6IC200 8340046 101 NE 545 B 5D3 8300023 EM 502 7IC1 8340054 19 MPSA 13 1N 4002 7IC2 8340054 19 MPSA 13 8D1 8300028 9,1V 5% 8340097 111 UAA 180 6D1 8300131 1N 4148 8300042 OA 91 6D101 8300131 1N 4148 8300042 OA 91 6D201 8300131 1N 4148 8300131 N 4148 7D1-D3 8300131 1N 4148 8300255 LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300255 206 CQX 10 | | | LL | | | | | |
|---|--------|---------|-------------------|--------|---------|-----|----------|------|
| 5D3 8300023 EM 502 7IC1 8340054 19 MPSA 13 1N 4002 7IC2 8340054 19 MPSA 13 1N 4003 8IC1 8340097 111 UAA 180 6D1 8300028 9,1V 5% 6D2 8300131 1N 4148 6D100 8300042 OA 91 0A 91 | 5D1 | 8300131 | 1N 4148 | 6IC100 | 8340046 | 101 | NE 545 B | |
| 1N 4002 7IC2 8340054 19 MPSA 13 1N 4003 8IC1 8340097 111 UAA 180 6D1 8300028 9,1V 5% 6D2 8300131 1N 4148 6D100 8300042 OA 91 6D101 8300131 1N 4148 6D200 8300042 OA 91 6D201 8300131 1N 4148 7D1-D3 8300131 1N 4148 7D4 8300034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 5D2 | 8300131 | 1N 4148 | 6IC200 | 8340046 | 101 | NE 545 B | |
| 1N 4003 8IC1 8340097 111 UAA 180 6D1 8300028 9,1V 5% 6D2 8300131 1N 4148 6D100 8300042 OA 91 6D101 8300131 1N 4148 6D200 8300042 OA 91 6D201 8300131 1N 4148 7D1-D3 8300131 1N 4148 7D4 8300034 ZY 12 5% 8D1 8300255 206 CQX 10 8D2 8300256 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 5D3 | 8300023 | EM 502 | 7IC1 | 8340054 | 19 | MPSA 13 | |
| 6D1 8300028 9,1V 5% 6D2 8300131 1N 4148 6D100 8300042 OA 91 6D101 8300131 1N 4148 6D200 8300042 OA 91 6D201 8300131 1N 4148 7D1-D3 8300131 1N 4148 7D4 830034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300256 206 CQX 11 | | | 1N 4002 | 7IC2 | 8340054 | 19 | MPSA 13 | |
| 6D2 8300131 1N 4148 6D100 8300042 OA 91 6D101 8300131 1N 4148 6D200 8300042 OA 91 6D201 8300131 1N 4148 7D1-D3 8300131 1N 4148 7D4 8300034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | | | 1N 4003 | 8IC1 | 8340097 | 111 | UAA 180 | |
| 6D100 8300042 OA 91 6D101 8300131 1N 4148 6D200 8300042 OA 91 6D201 8300131 1N 4148 7D1-D3 8300131 1N 4148 7D4 8300034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 6D1 | 8300028 | 9,1V 5% | | | | | |
| 6D101 8300131 1N 4148 6D200 8300042 OA 91 6D201 8300131 1N 4148 7D1-D3 8300131 1N 4148 7D4 8300034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 6D2 | 8300131 | 1N 4148 | | | | | |
| 6D200 8300042 OA 91 6D201 8300131 1N 4148 7D1-D3 8300131 1N 4148 7D4 8300034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 6D100 | 8300042 | OA 91 | | | | | |
| 6D201 8300131 1N 4148 7D1-D3 8300131 1N 4148 7D4 8300034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 6D101 | 8300131 | 1N 4148 | | | | | |
| 7D1-D3 8300131 1N 4148 7D4 8300034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 6D200 | 8300042 | OA 91 | | | | | |
| 7D4 8300034 ZY 12 5% LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 6D201 | 8300131 | 1N 4148 | | | | | |
| LMZ 12 5% 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 7D1-D3 | 8300131 | 1N 4148 | | | | | |
| 8D1 8300255 206 CQX 10 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | 7D4 | 8300034 | ZY 125% | | | | | |
| 8D2 8300255 206 CQX 10 8D3-D8 8300256 206 CQX 11 | | | LMZ 12 5% | | | | | |
| 8D3-D8 8300256 206 CQX 11 | 8D1 | 8300255 | 206 CQX 10 | | | | | |
| | 8D2 | 8300255 | 206 CQX 10 | | | | | |
| 8D9 8300255 206 CQX 10 | 8D3-D8 | 8300256 | 206 CQX 11 | | | | | |
| | 8D9 | 8300255 | 206 CQX 10 | | | | | |
| | | | | | | | | |